

From: Shapiro, Mike
To: [Gray, David](#)
Subject: FW: OW Management Report for Hurricane Harvey - 9/5/2017
Date: Tuesday, September 5, 2017 9:58:20 PM
Attachments: [OW Management Report Harvey_09052017.docx](#)
[image001.png](#)
[image002.png](#)

David,

Here's the report that I mentioned. I noticed that there are several R6 folks on the distribution list in addition to HQ folks.

Mike

Michael Shapiro
Acting Assistant Administrator, Office of Water
US EPA, 4101M
1200 Pennsylvania Ave., NW
Washington, DC 20460
202-564-5700

From: EOC Water
Sent: Tuesday, September 05, 2017 4:11 PM
To: Rodriguez, Jose <Rodriguez.Jose@epa.gov>; Restivo, Angela <Restivo.Angela@epa.gov>; Waite, Andrew <Waite.Andrew@epa.gov>; McCasland, Mark <McCasland.Mark@epa.gov>; Ngo, Kim <Ngo.Kim@epa.gov>; Brown, Jamesr <brown.jamesr@epa.gov>; Eoc, Epahq <Eoc.Epahq@epa.gov>; Apanian, David M. <Apanian.David@epa.gov>; OW SES Managers and Supervisors <OW_SES_Managers_and_Supervisors@epa.gov>; Forsgren, Lee <Forsgren.Lee@epa.gov>; Senft, Lea <senft.lea@epa.gov>; Liguori, Alex <liguori.alex@epa.gov>; Fencil, Jeffrey <Fencil.Jeffrey@epa.gov>; Goldbloom-Helzner, David <Goldbloom-Helzner.David@epa.gov>; Ison, Dawn <ison.dawn@epa.gov>; Pickard, Brian <Pickard.Brian@epa.gov>; Oh, Peter <Oh.Peter@epa.gov>; Casillas, Laura <Casillas.Laura@epa.gov>; Young, Dwane <Young.Dwane@epa.gov>; Tiago, Joseph <Tiago.Joseph@epa.gov>; Tricas, Marisa <tricas.marisa@epa.gov>; fema-nrcc-ohul@fema.dhs.gov; Honker, William <honker.william@epa.gov>; Hosch, Claudia <hosch.claudia@epa.gov>; Dwyer, Stacey <Dwyer.Stacey@epa.gov>; Watson, Jane <watson.jane@epa.gov>; Cooper, Tiffany <Cooper.Tiffany@epa.gov>; Bissonette, Eric <Bissonette.Eric@epa.gov>; Tingley, Kevin <Tingley.Kevin@epa.gov>; EOC Situation Unit <EOC_Situation_Unit@epa.gov>; FEMA-NRCC-ohs@fema.dhs.gov; Greenwalt, Sarah <greenwalt.sarah@epa.gov>
Subject: OW Management Report for Hurricane Harvey - 9/5/2017

Attached and pasted below is the OW Management Report for 9/5/2017.

Please let me know if you have any questions.

David Goldbloom-Helzner
EOC Water Desk

**OW Management Report for
Hurricane Harvey
September 5, 2017**

Background: During the last few days, record flood impacts continued along the mid and upper Texas coasts and in Louisiana as peak river crests. Long duration flooding will significantly hamper response and recovery activities.

Local/State Activities:

Texas

- EOC at Full Activation
- Governor declared a State of Disaster for 50 counties
- Mandatory/voluntary evacuations in effect for 8 counties and several independent communities
- City of Houston imposed a curfew effective immediately

Louisiana

- The State of Louisiana has received an Emergency Declaration (FEMA-3382-EM) which includes a total of 12 Parishes: Allen, Acadia, Beauregard, Calcasieu, Cameron, Iberia, Jefferson Davis, Natchitoches, Rapides, Sabine, and Vermillion, Vernon.

Federal Activities:

FEMA:

The Federal Emergency Management Administration (FEMA) has activated all Emergency Support Function (ESF) at FEMA Region 6 and the NRCC.

EPA Activities: Region 6:

EPA continues to support TCEQ in contacting drinking water and waste water systems with 10 personnel manning TCEQ's Drinking Water and Waste Water Phone Bank located in Austin.

EPA HQ:

Water Desk Staffing for the coming week is as follows:

Tuesday 9/5: David Goldbloom-Helzner

Wednesday 9/6: Jeff Fencil

Thursday 9/7: Kevin Tingley

Friday 9/8: David Goldbloom-Helzner

Drinking Water / Wastewater Assessments

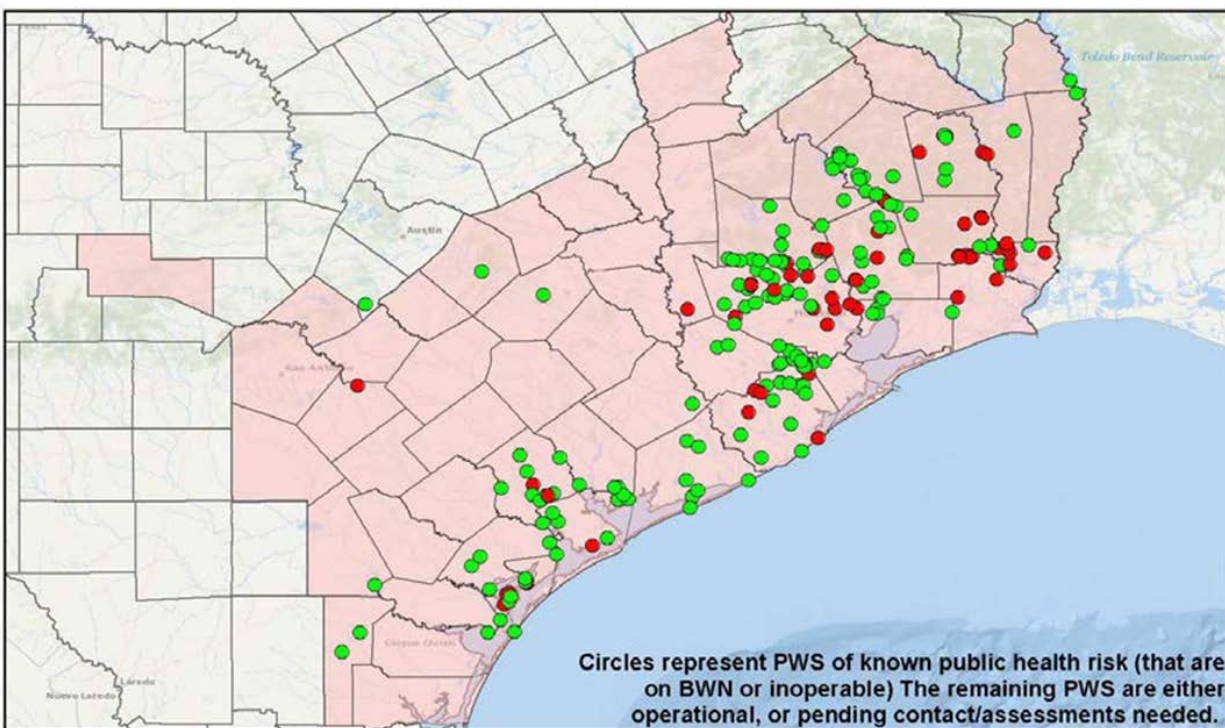
EPA is providing support to TCEQ for drinking water (DW) and wastewater (WW) system assessments. There are 10 members at the TCEQ Austin phone bank including one assisting with data flow. In addition, DW and WW assessment teams are currently set up in Houston, with additional members arriving this week. Current response activities consist of six members from EPA Region 6 conducting DW or WW assessments in Houston. Also, two members are providing assistance to the City of Beaumont in coordination with TCEQ, with their home base in Houston. In the next day, there will be seven from EPA Region 7 and one from Region 2 to form additional DW and WW teams for conducting field assessments in the Houston Branch.

Below is a status of drinking water systems as of 1700 September 4, 2017.

DW Systems	# Systems	Population Served
Fully Operational	1,507	9,523,361
Operational with BWN	148	
Non-Operational	50	
Contact Pending	1,066	
Total	2,771*	11,095,853

*Systems in the affected areas, 2,175 are public water systems that serve a population of 10,878,982 and 596 are non-transient non-community (NTNC) water systems that serve hospitals, health care facilities, nursing homes and day cares, with a population of 216,871.

Below are two maps that show the status of drinking water and wastewater facilities in the affected areas.



Legend

- Water Outage
- Boiled Water Notice
- State Declared Counties

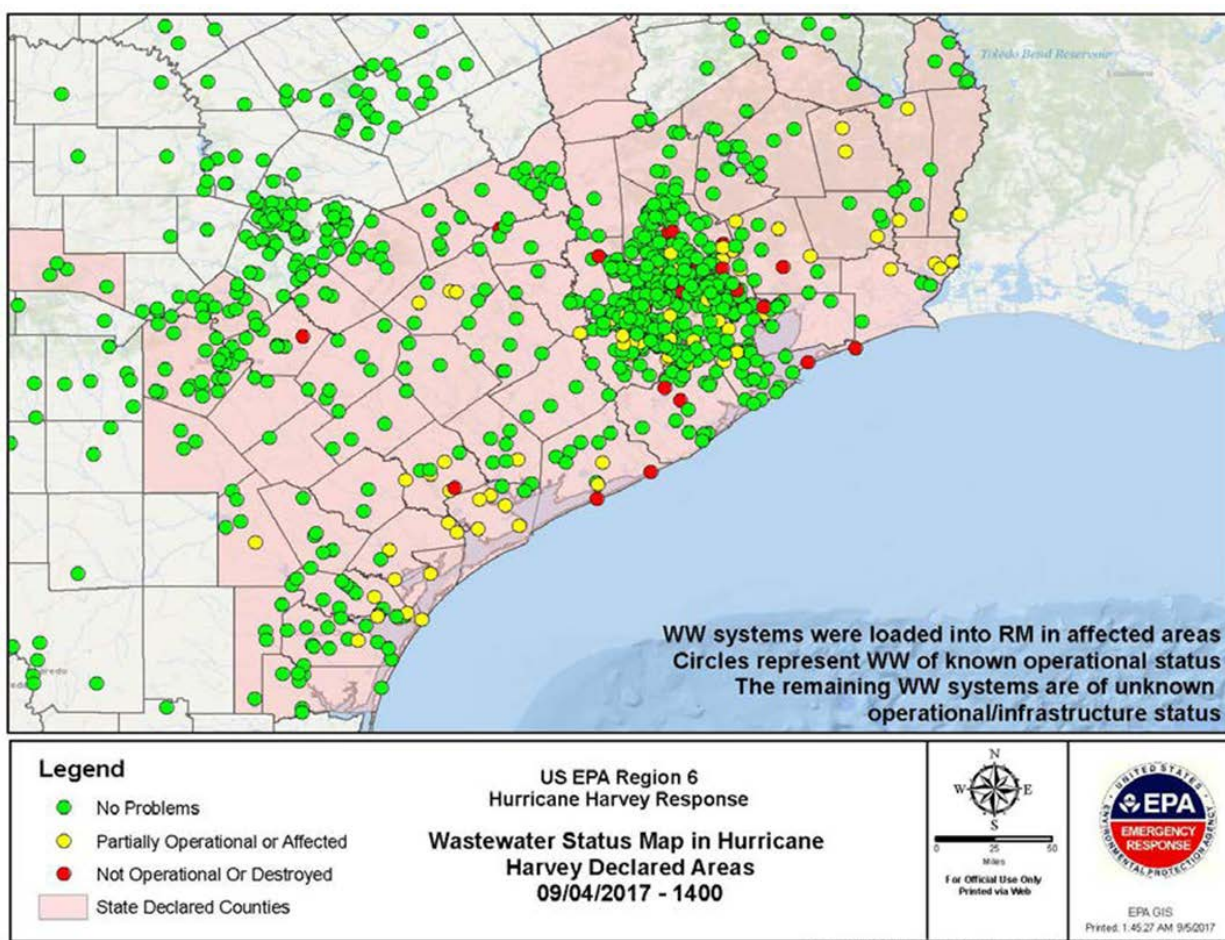
US EPA Region 6
Hurricane Harvey Response

**Drinking Water Status Map in
Hurricane Harvey Affected Areas
09/04/2017**



EPA GIS
Printed: 1:35:05 AM 9/5/2017

FILE: K:\GIS\DATA\2017\HurricaneHarvey\BWN_Map\view02-via-epa-portal\Status_09042017.html 1:35:05 AM 9/5/2017 (46447)



Beaumont Status Update

On September 5, 2017, the Beaumont groundwater plant remains off-line due to flooding conditions. The surface water treatment plant (SWTP) is producing 24 MGD as of 7:00 am this morning. Crews were able to construct a barge in the river to accommodate the pumps and feed lines which feed raw water to the SWTP. The SWTP has been operating on grid power since late yesterday. The original raw water pumps are out, and estimated to remain out of service for several weeks. The elevated storage tanks are at about 20%. The demand in the distribution system cannot be met by the elevated storage tanks, so it is being supplied by direct pressure from the high service pumps. Crews will be opening more distribution lines and increasing pressure in the system throughout the day. Plans are being made to pressurize the line to the Federal Correction Facility today. The City of Beaumont remains on a boil water notice.

Additional current status:

- Plant is back on grid power
- 2 week supply of Alum (coagulant)
- 2 week supply of caustic (pH adjustment)
- 2 week supply of chlorine
- 1 month supply of Polymer

Note: Chemical supplies are now arriving and scheduled to continue as needed.

The City has their Emergency Operations Center (EOC) fully functional and is coordinating efforts to make repairs and acquire chemicals and materials for both short-term and long-term.